

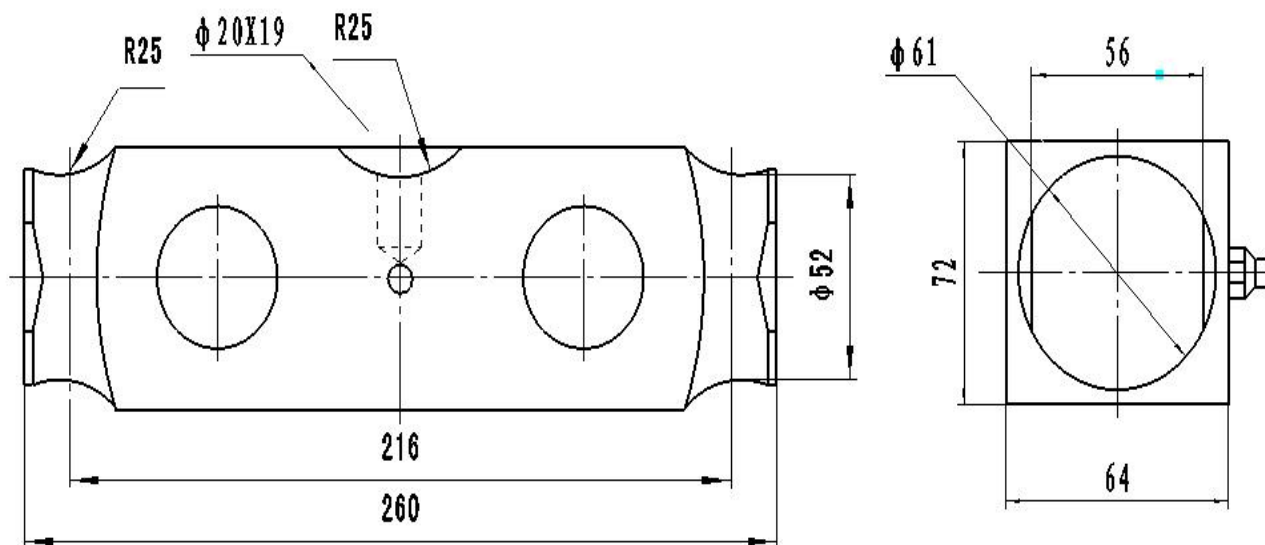
Type SM42C Bridge Weighing Load Cell

Characteristics: It adopts a double-shear bridge structure, with fully sealed welding and a high safety factor.

Applied to: Electronic truck scale, hopper scale, rail scale etc.

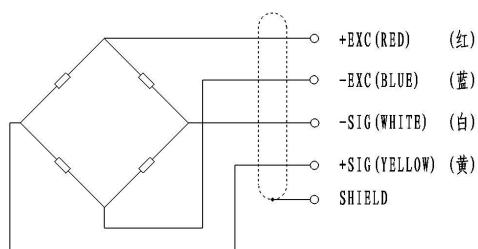


Dimensions (In mm. 1mm=0.03937 inches)



Circuit Diagram:

Red: +input
Blue: -input
White: +output
Yellow: -output



Specification:

Type	Technical parameters
Nominal load range	30 ~ 75klb
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.01mV/V
Input resistance (R _{ic})	750±20Ω (ohms)
Output resistance (R _o)	700±5Ω (ohms)
Insulation resistance	≥5000 MΩ (Mege-Ohms)
Class precision	0.05%FS
Effect of temperature	0.02%FS/10°C
Operating temperature	-40 ~ +85°C
Safe Load Limit	200% FS
Safety margin against yielding	300% FS
Safety margin against breakage	500% FS
Material material	High performance alloy steel or (chromium ratio>15% stainless steel)
Protection type	IP67/IP68